

Cleaning Tool with Rotatably Driven Working Tool

Abstract

A cleaning tool for a vacuum cleaning device has a housing having a bottom plate with a working slot. A rotatably driven working tool is rotatably supported in the housing and passes through the working slot to act on a surface to be cleaned. A motor is arranged in the housing and has a motor shaft. A gear system is connected between the motor and the working tool, wherein the gear system has a driving wheel driven by the motor shaft and a driven wheel fixedly connected to the working tool. The driving wheel and the driven wheel are V-belt pulleys and have a peripheral groove, respectively. The gear system further has a V-gear positioned between the driving wheel and the driven wheel, wherein the V-gear has an outer periphery that engages the peripheral grooves for establishing a driving connection between the driving wheel and the driven wheel.